

Proposal # 2001- A202 (Office Use Only)

PSP Cover Sheet TRINITY RIVERFISHERY RESTORATION AND PROTECTION OF DELTA

Proposal Title: WATER SUPPLY THROUGH REPLACEMENT OF FOUR TRNTTY RTVPR BRIDGES.

Applicant Name: TRINITY COUNTY PLANNING DEPARTMENT

Contact Name: TOM STOKELY

Mailing Address: P.O. BOX 156 YPORK CA 96041-0156

Telephone: _____ 9

Fas: _____

Email: tstokely@trinityalps.net

Amount of funding requested: \$ 6,270,516.00

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost _____

Federal cost _____

Cost share partners?

Y e s x N o

Identify partners and amount contributed by each

Indicate the Topic for which you are applying (check **only** one **box**).

- | | |
|--|--|
| <input checked="" type="checkbox"/> Natural Flow Regimes | <input type="checkbox"/> Beyond the Riparian Corridor |
| <input type="checkbox"/> Nonnative Invasive Species | <input type="checkbox"/> Local Watershed Stewardship |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Flood Management | <input type="checkbox"/> Special Status Species Surveys and Studies |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants | <input type="checkbox"/> Fish Screens |

What county or counties is the project located in? TRINITY

What CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible PROJECT AREA OMITTED FROM ERP. PROTECTED WATER FLOWS THROUGH ECOZONES 1,2, & 3.

Indicate the type of applicant (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input checked="" type="checkbox"/> Local government/district | <input type="radio"/> Tribes |
| <input type="checkbox"/> University | <input type="checkbox"/> Private party |
| <input type="checkbox"/> Other: | |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input checked="" type="checkbox"/> Spring-run chinook salmon |
| <input checked="" type="checkbox"/> Winter-run chinook salmon | <input checked="" type="checkbox"/> Fall-run chinook salmon |
| <input checked="" type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Longfin smelt |
| <input checked="" type="checkbox"/> Delta smelt | <input checked="" type="checkbox"/> Steelhead trout |
| <input checked="" type="checkbox"/> Splittail | <input checked="" type="checkbox"/> Striped bass |
| <input checked="" type="checkbox"/> Green sturgeon | <input type="checkbox"/> All chinook species |
| <input checked="" type="checkbox"/> White Sturgeon | <input type="checkbox"/> All anadromous salmonids |
| <input type="checkbox"/> Waterfowl and Shorebirds | <input checked="" type="checkbox"/> American shad |
| <input type="checkbox"/> Migratory birds | |
| <input checked="" type="checkbox"/> Other listed T/E species: <u>KLAMATH-TRINITY COHO</u> | |

Indicate the type of project (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> Research/Monitoring | <input type="checkbox"/> Watershed Planning |
| <input type="checkbox"/> Pilot/Demo Project | <input type="checkbox"/> Education |
| <input checked="" type="checkbox"/> Full-scale Implementation | |

Is this a next-phase of an ongoing project? Yes ____ No x
Have you received funding from CALFED before? Yes ____ No x

If yes, list project title and CALFED number _____

Have you received funding from CVPIA before? Yes ____ No x

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the **PSP** (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

John Alan Jelieich
Printed name of applicant

John Alan Jelieich
Signature of applicant

Planning Director
TITLE

Ralph Modine

Ralph Modine

Chairman, Board of Supervisors

Executive Summary

Trinity River Fishery Restoration and Protection of Delta Water Supply Through Replacement of Four Trinity River Bridges

Proposed by Trinity County Planning Department, Natural Resources Division

This project would replace four bridges on the Trinity River in order to permit implementation of prescribed fishery restoration flows. Because the maximum prescribed flows are more effective at accomplishing required restoration tasks than the lower magnitude flows currently available, the project could make an annual average of 254,000 acre-feet of otherwise unavailable water available for use in the Bay-Delta region.

The Trinity River is a significant source of Delta fresh water, having contributed an average of 980,000 acre-feet per year (approximately 70% of total flow at the Central Valley Project diversion point) to the Sacramento basin since 1964. Salmon and steelhead populations in the Trinity River have declined dramatically since 1964, largely as a result of flow reductions, habitat degradation, and hydrograph disruptions associated with this massive diversion of water.

Restoration of Trinity River fisheries is legally required, by repeated Congressional mandates and by the well-settled federal trust responsibility to protect the fishing rights of downstream Hoopa Valley and Yurok Indian tribes. Intensive peer-reviewed scientific investigation has established that effective restoration measures should include a modified flow regime capable of restoring salmonid habitat and re-establishing functional river processes. The prescribed regime is for five different dam-release schedules in five different water-year types, with recommended peaks of 11,000 cubic feet per second for five days in "extremely wet" years and 8,500 cubic feet per second in "wet" years. Some scientific uncertainty remains as to the duration, timing and adequacy of the specified peaks, but uncertainty as to their necessity is low.

Currently, peak releases are constrained by the condition of the subject bridges to 6,000 cubic feet per second, but peak releases of 11,000 and 8,500 cfs are much more effective at some critical tasks than maximum flows of 6,000 cfs. The specified (and required) sediment management tasks can be accomplished with an average of 254,000 acre-feet per year less total water if the recommended peak rates are available. Thus the proposed project would facilitate restoration of the CVP-damaged Trinity River as specifically contemplated by Congress, and could significantly assist in understanding and restoring flow-sensitive Delta processes and at-risk species by continuing to allow over half of the Trinity River's flow at Lewiston to be diverted to the Sacramento River.

Preliminary engineering is complete and feasibility has been documented. This project would subcontract final engineering, permitting, and construction tasks, and oversee four bridge replacements to completion. The Trinity River restoration effort for which this project is a prerequisite is proposed as a formal Adaptive Environmental Assessment and Management Program, and will demonstrate and test scientific ability to design effective "natural" flow regimes and stimulate healthy geofluvial processes.

C. Project Description

1. Statement of the Problem

a Problem: The Trinity River is a significant source of the Delta's fresh water supply- since completion of the Central Valley Project's Trinity River Division in 1964, an average of 980,000 acre-feet per year of Trinity water (approximately 70% of the total flow at the diversion point) has been diverted to the Sacramento basin. This massive interbasin transfer is ongoing, but is likely to be decreased in the future. This proposal is for actions which could minimize the decrease and make 254,000 acre-feet of water per year available for use in the Delta which might otherwise be required for restoration duty in the Trinity River.

Salmonid populations in the Trinity system declined drastically after the CVP diversions began, and have not recovered. A 1980EIS determined that chinook salmon populations in the Trinity had declined 80% and steelhead populations 60% since the commencement of CVP diversions, and that total salmonid habitat in the Trinity River Basin had declined by 80-90% (USFWS 1980). In more recent years, returns of naturally produced fall chinook, spring chinook, coho, and steelhead have averaged 20%, ~~40%~~, 14%, and 5% respectively of inriver spawner escapement goals established by the Trinity River Restoration Program (USFWS et al. 1999).

Association of the fishery declines on the Trinity with the reduced flow volumes and disrupted hydrograph caused by CVP operations has been noted in numerous analyses since the 1970s, including the 1980EIS on Trinity River Flows, which recognized streambed sedimentation and inadequate regulation of fish harvest but concluded that insufficient streamflow was the most critical limiting factor for fish populations (USFWS 1980). Congress found in the Trinity River Fish and Wildlife Management Act of 1984 (P.L. 98-541) that the CVP diversion "has substantially reduced the streamflow in the Trinity River Basin thereby contributing to damage to pools, spawning gravels, and rearing areas and to a drastic reduction in the anadromous fish populations. A multi-agency Mainstem Trinity River Watershed Analysis (BLM 1995) presented as its first management recommendation "Restore stream flows of sufficient magnitude and duration to initiate dynamic fluvial processes similar to those which existed prior to dam construction.". (The other recommendations were "Remove a significant portion of the sediment berms which have accumulated in the stream channel as a result of flow regulation and water diversion.."; "Reduce the sediment supply originating from various tributary watersheds.."; and "Restore a fire regime which approximates the frequency and intensity of the natural regime.")

The most recent, comprehensive, and authoritative study is the Trinity River Flow Evaluation (USFWS and Hoopa Valley Tribe, 1999), which was commissioned by Interior Secretary Cecil Andrus in 1981 to evaluate the effectiveness of increased flows and other measures (including intensive stream and watershed management programs) for rebuilding Trinity River salmon and steelhead stocks, and to make associated recommendations. This peer-reviewed report recommends re-institution of healthy alluvial river attributes through 1) a modified flow regime, 2) coarse sediment (>5/16") replenishment actions, 3) fine sediment (<5/16") reduction actions, and 4) mechanical rehabilitation of the river channel, all to be implemented, monitored, and adjusted as necessary in a formal Adaptive Environmental Assessment and Management (AEAM) program. The recommended flow regime consists of

five different dam release schedules for five different water-year types, with crucial peak releases of 11,000 cubic-feet-per-second (cfs) for five days in "extremely wet" years and 8,500 cfs for five days in "wet" years.

Under the current flow regime, maximum controlled dam releases are 6,000 cfs. Preliminary studies indicated, and a more thorough study has confirmed (Omni-Means 2000) that releases of 8,500 cfs or more cannot be implemented without jeopardizing the four downstream bridges which are the subjects of this proposal.

The recommendations from the Flow Evaluation (with added watershed rehabilitation actions) form the Preferred Alternative presented in the Draft Trinity River Mainstem Fishery Restoration EIS/EIR (USFWS et al. 1999). The final EIS/R is scheduled to be completed, and a Record of Decision signed by the Secretary of the Interior, in the second half of 2000. The DEISR proposes to limit Lewiston Dam releases to 6,000 cfs until such time as the subject bridges are removed from flood jeopardy.

The Trinity DEISR notes that effective restoration action on the Trinity is compelled by Congressional mandates and by the federal trust responsibility to protect the fishery resources of dependent Indian tribes. The Congressional mandate was first articulated in the 1955 Trinity River Division Act (P.L. 86-386) which "authorized and directed" the Secretary of the Interior Department "to adopt appropriate measures to insure the preservation and propagation of fish and wildlife". In the 1984 Trinity River Basin Fish and Wildlife Management Act (P.L. 98-541), Congress directed the Interior Secretary to "formulate and implement a fish and wildlife management program for the Trinity River Basin designed to restore fish and wildlife populations in such basin to the levels approximating those which existed immediately prior to construction...[of the CVP Trinity River Division]...and to maintain such levels.". In 1992, the Central Valley Project Improvement Act (P.L. 102-575) declared an intention to restore and enhance fish, wildlife, and associated habitats in the Trinity River Basin (Sec. 3402(a)), and specifically ordered that the recommendations of the Flow Evaluation be implemented, provided that the Interior Secretary and the Hoopa Valley Tribe are in concurrence (Section 3406(b)(23)). The Flow Evaluation was prepared jointly by the USDI Fish and Wildlife Service and the Hoopa Valley Tribe.

The federal trust responsibility to protect the fishery resources of affected Indian tribes would apparently be sufficient to compel effective fishery restoration action in the Trinity River even if Congress had given no direction. This trust responsibility has been thoroughly explored in numerous court cases; for a discussion, see Solicitor's Opinion M-36979 of October 4, 1993 (DOI 1993). In one recent judgment (KWUPA v. Patterson, 191 F.3d 1115 (9th Cir. 1999)), the Court noted: "We have held that water rights for the Klamath Basin tribes 'carry a priority date of time immemorial.' Adair, 723 F.2d at 1414. Because Reclamation maintains control of the Dam, it has a responsibility to divert the water and resources needed to fulfill the Tribes' rights, rights that take precedence over any alleged rights of the Irrigators.".

Another authority which could prove independently sufficient to compel an increase in Trinity River flows and flow rates is the federal Clean Water Act. The Trinity River has been listed by the North Coast Regional Water Quality Control Board (NCRWQCB) as an "impaired waterbody" because of sediment. In response to the listing and a subsequent

lawsuit settlement (Pacific Coast Federation of Fishermen's Associations et al v. Marcus, 1997), and in accordance with Section 303(d) of the Clean Water Act, the U.S. EPA has committed to establish a sediment Total Maximum Daily Load (TMDL) in 2001.

NCRWQCB is required to develop an implementation plan for achieving the allocations set forth in the **TMDL**. Because the Trinity River has an excess of fine sediment, and because higher magnitude flows are much more efficient at mobilizing and transporting sediment than lower flows (see attachment A to **this** proposal), it seems reasonable to predict that TMDL compliance will require some increase in flows and/or flow rates above current levels.

Still other authorities which could individually or collectively compel flow increases are the Public Trust Doctrine; temperature standards in the Hoopa Valley Tribe's Water Quality Plan (EPA certification pending); California Fish and Game Code Section 5937 ("The owner of a dam shall allow sufficient water at all times to pass.. to keep in good condition any fish that may be planted or exist below the dam.. ."; California's area-of-origin statutes (Water Code Sections 11460 and 10505); and Fish and Game Code Section 1505.

In short, Trinity River fishery restoration is legally required, and the best available (and now very substantial) scientific information indicates that fishery restoration requires a modified flow regime including maximum dam releases of 11,000 cfs in extremely wet years and 8,500 cfs in wet years. Releases of these magnitudes cannot currently be implemented because of the condition of four downstream bridges, even though flows of 11,000 cfs at Lewiston Dam are 12 times more efficient per acre-foot than flows of 6,000 cfs at mobilizing sediment. If restoration managers are constrained to existing maximum dam releases of 6,000 cfs, restoration efforts may be impaired, but they must still be pursued, and an average of 254,000 acre feet of water per year which would otherwise be available for diversion to the Bay-Delta may be needed to perform the required sediment management tasks (calculation presented in Attachment A).

b. Conceptual Model & Hypotheses- Intensive scientific investigation since 1984 into the causes of and possible remedies for fishery declines in the Trinity River Basin has included studies (presented in USFWS and Hoopa Valley Tribe, 1999) of: (1) habitat preferences of salmon and steelhead and relative amounts of preferred habitats resulting from various dam releases; (2) habitat availability and channel processes at several mechanical channel-rehabilitation pilot projects; (3) water and sediment interactions and fluvial geomorphology; (4) water temperature needs of salmon and steelhead and dam releases necessary to meet those needs; and (5) a juvenile salmon production model. Prominent among the findings: habitat conditions (particularly rearing habitat) in the current Trinity River channel severely limit salmonid production potential, and: flow reductions and hydrograph disruptions since 1963 have profoundly impaired the processes identified as essential attributes of a healthy alluvial river.

These attributes are: (1) spatially complex channel morphology; (2) variable, "predictably unpredictable" flows and water quality; (3) frequent mobilization of channel-bed surfaces; (4) periodic scour and refilling of channel-bed surfaces; (5) approximately balanced fine and coarse sediment budgets; (6) periodic channel migration; (7) a functional floodplain; (8) occasional channel "reset" during very large floods; (9) diverse, self-sustaining riparian plant communities; and (10) fluctuation of groundwater levels with changing streamflows.

The Trinity River Flow Evaluation Final Report (June 1999) recommends, and the Trinity River Mainstem Fishery Restoration DEIS/DEIR (October 1999) proposes, reestablishment in the Trinity of these characteristic attributes of a healthy alluvial river by means of sediment-management actions (particularly, gravel replenishment), mechanical channel rehabilitation projects, and a modified flow regime that provides favorable spawning and rearing microhabitat (including suitable temperatures) and re-shapes and maintains the river channel in a healthy, dynamic condition.

More narrowly as to this proposal, the concept is that successful re-establishment of healthy conditions in the Trinity requires the full range of prescribed flows, including the critical peak dam releases of 11,000 cfs for 5 days in "extremely wet" years and 8,500 cfs for 5 days in "wet" years which are not possible to implement until the proposed bridge replacements are accomplished. Specific hypotheses are that, in the forty river miles below Lewiston Dam, where tributary inflow combined with dam releases has proved insufficient to maintain a healthy river channel, releases of 11,000 cfs and 8,500 cfs will stimulate periodic channel migration and occasional channel avulsion, which 6,000 cfs releases (the current maximum) cannot accomplish satisfactorily. Further, 11,000 cfs and 8,500 cfs releases are expected to cause bed scour greater than $2 D_{84}$ and $1 D_{84}$ respectively on exposed alluvial surfaces, discouraging encroachment by riparian vegetation, and to transport coarse sediment at a rate equal to tributary input in extremely wet and wet years, replenishing alluvial deposits. In conjunction with prescribed efforts to reduce fine sediment supply to the river, bed scour to a depth greater than $2 D_{84}$ is expected to improve spawning and rearing habitat quality; which in turn is predicted to improve egg emergence and fry-rearing success, which in turn is expected to increase salmonid production.

Finally among hypotheses most relevant here, the subject peak flows are expected to transport fine sediment at a rate greater than input in extremely wet and wet years, thus reducing storage of fine sediment in the river channel, which in turn will increase adult holding habitat and improve rearing, overwintering, and spawning habitat.

c. Adaptive Management The proposed project is at once a pilot/demonstration project for the Bay-Delta system and a full-scale implementation of restoration action in the Trinity River watershed. For the Trinity, the fifteen-year long, peer reviewed Trinity River Flow Evaluation (USFWS and Hoopa Valley Tribe, 1999) has quantified instream flow rates necessary to improve salmonid habitats and re-establish critical river processes. Scientific uncertainty as to the necessity for the subject peak flows is relatively small. Some uncertainty remains as to their duration, timing and adequacy, but adjustments are possible with the project design and expected within the prescribed Adaptive Environmental Assessment and Management program. (Upward adjustments in peak magnitude will be possible because replacement bridges must be designed to accommodate a 100-year flood, which is considerably larger than the subject peak flows.)

As a demonstration project for the larger and more complex Bay-Delta system, implementation and monitoring of recommended Trinity River restoration measures will permit evaluation of scientific ability to design natural flow regimes (particularly, mimicry of peak flows and the historic hydrograph, and inter-annual flow variability) and foster healthy channel dynamics. In addition, because the project could make an average of 254,000 acre-feet per year of water available for use in the Bay-Delta system which might otherwise be

required for restoration duty in the Trinity, it will serve both research and management needs regarding X2 and flow-related stressors for at-risk species.

2. Proposed Scope of Work

a. **Location** The bridges to be replaced are located on the Trinity River in Trinity County, an area not included in an ecological management zone or shown as part of the Bay-Delta watershed despite its historic (980,000 acre-feet per year, average) and ongoing contribution of fresh water to the Bay-Delta ecosystem. Trinity water made available for Bay-Delta use by the proposed project would flow through ecozones 3 (Sacramento River), 1 (Delta), and 2 (Suisun Marsh/San Francisco Bay). Geographic coordinates of the four bridges:

Salt Flat Bridge: 40° 42' 46" N; 122° 50' 05" W

Bucktail Bridge: 40° 42' 15" N; 122° 50' 43" W

Poker Bar Bridge: 40° 40' 48" N; 122° 52' 50" W

"Treadwell" Bridge: 40° 40' 02" N; 122° 54' 18" W

b. **Approach** Preliminary design and feasibility study is complete (Omni-Means 2000). Under this project, applicant would develop and circulate a Request for Proposals for final engineering design, permitting services, and subsequent construction oversight for four Trinity River bridges; select subcontractor; develop, negotiate, execute, and administer subcontract; obtain rights-of-way as necessary; and develop (with assistance of design subcontractor), advertise, award, and administer construction subcontract(s) to replace four Trinity River bridges..

c. **Monitoring and Assessment Plans** Monitoring under this proposal would be limited to contract performance, reported in quarterly and final project reports. For the effects of the project on Trinity River restoration, including effects of increased flows on geofluvial processes, sediment management, habitat quantity, quality, diversity, and utilization, and salmonid population trends, comprehensive monitoring will be conducted in a formal adaptive management program which is not part of this proposal (USFWS and Hoopa Valley Tribe 1999, Chapter 8 and Appendix N, incorporated by reference into the Trinity DEIS/DEIR (p. 2-16).). Effects of the project in the Sacramento River basin will be detectable in ongoing monitoring for compliance with the upper Sacramento River temperature requirements contained in the Biological Opinion for winter-run chinook and SWRCB Water Right Orders 90-05 and 91-01, and ongoing X2 monitoring in the Delta.

d. **Data Handling and Storage** Project information will be maintained by applicant and presented in quarterly and final project reports. Monitoring information will be collected and maintained by monitoring agencies as part of planned or ongoing activities which are not part of this proposal.

e. **Expected Products/Outcomes** Direct product would be reconfigured bridges which allow implementation of recommended restoration flows in the Trinity River. Implementation of prescribed flows is in turn expected to improve ecological conditions at this source for Delta water, and make an average of 254,000 acre-feet per year of relatively clean and cool Trinity River water which may otherwise be required for restoration duty in the Trinity basin available for use in the Sacramento River, Delta, and Suisun Marsh/ San Francisco Bay ecozones. Indirectly (not as part of this proposal) the project would provide valuable data and hypothesis-testing through ongoing and planned monitoring and adaptive management programs.

f. Work Schedule

Task 1: Develop and circulate RFP for final engineering design, permit services, and construction oversight; select subcontractor; develop, negotiate, and execute subcontract. (120 days from execution of funding agreement.)

Task 2: Administer Final Design Subcontract and oversee to completion. (360 days from completion of Task 1.)

Task 3: Obtain any necessary rights-of-way. (60 days from completion of Task 2.)

Task 4: Develop, advertise, award, and execute construction subcontract(s). (120 days from completion of Task 2.)

Task 5: Administer construction subcontract(s) and oversee to completion. (240 construction-season days from completion of Task 4- probably divided over two summers.)

Tasks 4 and 5 could be approved and funded separately from Tasks 1, 2, and 3.

g. Feasibility for the proposed bridge replacement has been demonstrated in Omni-Means, 2000, which provides hydraulic studies, preliminary environmental evaluations, preliminary designs, and construction cost estimates for each site. Please see above regarding appropriateness of the peak flows which would be facilitated and the necessity of the proposed bridge replacements.

Some uncertainty exists regarding the length of time necessary to obtain required permits and approvals (Streambed alteration permit, CWA 401 certification, CWA 404 permit, ESA consultation, and Trinity County Floodplain Development Permit). These permits must be secured in conjunction with, rather than in advance of, the proposed final design process. Based on discussions with Omni-Means and with the Trinity County Department of Transportation, both of which are familiar with the proposal and experienced in securing such permits, applicant believes sufficient time has been proposed under Project Description.

Several smaller flood hazard reduction actions (for one residence, several lesser structures, and several road segments) are not proposed here but must also be accomplished prior to implementation of prescribed peak flows. Total cost for these measures is estimated at \$350,000

(USBR, February, 2000), and applicant believes the tasks will be funded from other sources and accomplished prior to completion of bridge replacements.

D. Applicability to CALFED ERP Goals and Plan and CWIA Priorities In the Trinity River portion of the Bay-Delta watershed, this project serves ERP Goal 1 (Protect and recover at-risk species), Goal 2 (Rehabilitate natural systems), Goal 4 (Protect or restore functional habitat types), and the first stated purpose of CVPIA ("Protect, restore, and enhance fish, wildlife, and associated habitats in the Central Valley and Trinity River Basins of California"). The information generated by the Trinity River restoration program for which the proposed project is a prerequisite will clarify ERP scientific uncertainties regarding Natural Flow Regimes and Channel Dynamics/Sediment Transport/Riparian Vegetation.

254,000 acre-feet per year of otherwise unavailable water made available for use in the Sacramento River, Delta, and Suisun Marsh/S.F. Bay ecozones would directly address CVPIA Highly Significant Stressor #2 (Instream Flows and Temperatures), and assist implementation of CVPIA's goals to: attempt anadromous fish doubling, provide water to wildlife refuges and other wildfowl habitat, and "Mitigate for other identified adverse fish and wildlife impacts of the CVP".

E. Qualifications This project will be administered by Tom Stokely, Senior Planner and Manager of the Natural Resources Division of the Trinity County Planning Department. Engineering permitting, and construction tasks will be performed by subcontractors selected by formal County contracting procedures.

Mr. Stokely graduated from UC Santa Cruz in 1979 with honors in Biology and Environmental Studies. He has worked as a Trinity County Planner in various capacities since 1979, focusing exclusively on Trinity River issues since 1992. He has administered numerous federal and state grants totaling more than \$4 million, and since 1989 has managed the Trinity River Basin Fish and Wildlife Restoration Program Grant Program, with funds provided by the Trinity River Task Force through the USDI Bureau of Reclamation. He has been the staff assistant to the Chairman of the Trinity River Task Force's Technical Advisory Committee since 1988. He is Trinity County's lead agency representative on the "*Trinity River Mainstem Fishery Restoration EIS/EIR*." Mr. Stokely is the vice-chairman of the California Advisory Committee on Salmon and Steelhead Trout and a member of the Salmon and Steelhead Restoration Account (SB 271) Citizens Advisory Committee, which evaluates fishery restoration grant proposals for the Department of Fish and Game.

The Natural Resources Division operates with the cooperation and/or oversight of other County departments experienced in public works contracting (including contracting for bridge replacements), auditing, and accounting.

f. cost

TRINITY COUNTY PLANNING DEPARTMENT/DIVISION OF NATURAL RESOURCES

Year	Task	Direct Labor			Service Contracts	Overhead	Total Cost
		Hours	Salary	Benefits			
Year 1	Task 1					18%	
	Engineer	50	\$ 1,600	\$ 964		\$ 462	\$ 3,026
	Assistant Engineer	120	\$ 2,578	\$ 1,713		\$ 772	\$ 5,063
	Engineering Technician	60	\$ 995	\$ 704		\$ 306	\$ 2,005
	county Counsel	20	\$ 700	Benefits included		\$ 189	\$ 889
	Task 2						
	Engineer	7	\$ 224	\$ 135		\$ 65	\$ 424
	Assistant Engineer	40	\$ 859	\$ 571		\$ 257	\$ 1,687
	Engineering Technician	40	\$ 664	\$ 469		\$ 204	\$ 1,337
	Senior Planner	80	\$ 1,934	\$ 581		\$ 453	\$ 2,968
	* Outside Contracts				\$ 400,000	\$ * 12,000	\$ 412,000
	Total Cost Year 1		\$ 9,554	\$ 5,137	\$ 400,000	\$ 14,708	\$ 429,399
Year 2	Task 2					18%	
	Engineer	3	\$ 96	\$ 58		\$ 28	\$ 182
	Assistant Engineer	20	\$ 430	\$ 285		\$ 129	\$ 844
	Engineering Technician	60	\$ 995	\$ 704		\$ 306	\$ 2,005
	* Outside Contracts				\$ 196,000	\$ * 5,880	\$ 201,880
	Task 3				\$ 196,000		
	Engineer	4	\$ 128	\$ 77		\$ 37	\$ 242
	Assistant Engineer	60	\$ 1,289	\$ 856		\$ 386	\$ 2,531
	County Counsel	40	\$ 1,400	Includes Benefits		\$ 252	\$ 1,652
	Task 4						
	Engineer	50	\$ 1,600	\$ 964		\$ 462	\$ 3,026
	Assistant Engineer	120	\$ 2,578	\$ 1,713		\$ 772	\$ 5,063
	Engineering Technician	60	\$ 995	\$ 704		\$ 306	\$ 2,005
	County Counsel	20	\$ 700	Includes Benefits		\$ 189	\$ 889
	Task 5						
	Engineer	2	\$ 64	\$ 39		\$ 18	\$ 121
	Assistant Engineer	40	\$ 859	\$ 571		\$ 257	\$ 1,687
	Engineering Technician	20	\$ 332	\$ 235		\$ 102	\$ 669
	Senior Planner	80	\$ 1,934	\$ 581		\$ 453	\$ 2,968
	* Outside Contracts				\$ 1,811,000	\$ * 54,330	\$ 1,865,330
	Total Cost Year 2		\$ 13,400	\$ 6,787	\$ 2,007,000	\$ 63,907	\$ 2,091,094

TRINITY COUNTY NATURAL RESOURCES/DIVISION OF THE PLANNING DEPARTMENT

Year	Task	Direct Labor		Benefits	Service Contracts	Overhead 18%	Total cost
		Hours	Salary				
Year 3	Task 5						
	Engineer	4	\$ 128	\$ 77		\$ 37	\$ 242
	Assistant Engineer	80	\$ 1,142	\$ 577		\$ 309	\$ 2,028
	Engineering Technician	20	\$ 332	\$ 235		\$ 102	\$ 669
	Senior Planner	80	\$ 1,934	\$ 581		\$ 453	\$ 2,968
	* Outside Contracts				\$ 3,694,300	\$ * 110,829	\$ 3,805,129
Total Cost Year 3			\$ 3,536	\$ 1,470	\$ 3,694,300	\$ 111,730	\$ 3,811,036
Total Project Cost			\$ 26,490	\$ 13,394	\$ 6,101,300	\$ 190,345	\$ 6,331,529

Please Note: Outside Contracts - 3% Overhead

Please Note: Service contract **cost** estimates are from Omni-Means, February 2000, except that \$66,300 has been added to the construction contract **cost** estimate (Task 5) in order to upgrade segments of private road accessing Poker Bar Bridge (\$40,600) and Salt Flat Bridge (\$25,700) to Trinity County standards. This ~~is~~ necessary to allow Trinity County to accept maintenance responsibility for these bridges.

G. Local Involvement The proposed project **has** been requested by owners/users of the subject bridges, which serve a total of 168 parcels. The application has been authorized by the Trinity County Board of Supervisors and co-signed by the Board Chairman. Funding for preceding studies has been provided by the 21-member Trinity River Task Force (members: federal and state agencies, two counties, three tribes, and affected industries and user groups) and the proposed action is included in a Task Force document (still in draft form as of this writing) summarizing necessary future actions (USBR 2000). The widely publicized Trinity River Mainstem Fishery Restoration DEIS/DEIR identifies the project as a prerequisite to the flow regime it proposes.

The nature of the project **is** such that applicant and subcontractor(s) must consult with bridge owners during and at completion of final design in order to secure approvals and any necessary easements for construction.

H. Compliance Applicant will comply with state and federal standard terms.

I. Literature cited

BLM (U.S. Bureau of Land Management) 1995. Mainstem Trinity River Watershed Analysis. BLM Redding Resource Area, Redding, CA

Omni-Means, Ltd 2000. Structure Planning Study for Treadwell, Poker Bar, Salt Flat, and Bucktail Bridges For County of Trinity Planning Department & Trinity River Restoration Program of the United States Department of the Interior. Redding, CA

USBR (U.S. Bureau of Reclamation) 2000. Draft Mainstem Trinity River Habitat and Floodplain Modifications Information Report. Bureau of Reclamation, Office of Regional Engineer. Sacramento, CA

USFWS (U.S. Fish and Wildlife Service) 1980. Environmental Impact Statement on the Management of River Flows to Mitigate the Loss of the Anadromous Fishery of the Trinity River, California. U.S. Fish and Wildlife Service, Division of Ecological Services. Sacramento, CA

USFWS (U.S. Fish and Wildlife Service) and Hoopa Valley Tribe 1999. Trinity River Flow Evaluation Final Report. USFWS Arcata Fish and Wildlife Office. Arcata, CA

USFWS (U.S. Fish and Wildlife Service), et al. (U.S. Bureau of Reclamation, Hoopa Valley Tribe, and Trinity County), October, 1999. Draft Trinity River Mainstem Fishery Restoration EIS/R. Available from USFWS Arcata Fish and Wildlife Office, Arcata, CA

Attachment A

Trinity River Sediment Transport Comparisons¹

Releasing 11,000cfs for 5 days (as recommended by the Preferred Flow Alternative in extremely wet water years) is **12 times** more efficient than releasing 6,000 cfs. Releasing 8,500cfs for 5 days (as recommended for wet water years) is **5 times** more efficient than 6,000cfs.

Extremely Wet Years (12% Recurrence)

Flow Regime	Amount of Bedload Moved	Necessary Duration
11,000 cfs ²	53,000 tons ³	5 days
6,000 cfs ⁴	53,000 tons	118 days

- ❑ In five days, 11,000 cfs will move the same amount of bedload that 6,000 cfs will take 118 days to move.
- ❑ 11,000 cfs for 5 days uses only 108,900af, whereas 6,000 cfs for 118 days uses 1,401,800af.
- ❑ Releasing 11,000 cfs in extremely wet years to scour the river actually **saves** 1,292,900af of water! (1,401,800af – 108,900af = 1,292,900af)

Wet Years (28% Recurrence)

Flow Regime	Amount of Bedload Moved	Necessary Duration
8,500 cfs ⁵	16,500 tons	5 days
6,000 cfs	16,500 tons	37 days

- ❑ In five days, 8,500 cfs will move the same amount of bedload that 6,000 cfs will take 37 days to move.
- ❑ 8,500 cfs for 5 days uses only 84,100af, whereas **6,000** cfs for 37 days uses 439,500af.
- ❑ Releasing 8,500 cfs in wet years to scour the river actually **saves** 355,400af of water!

Average Annual Savings = (1,292,900 x .12) + (355,400 x .28) = 254,600af/year

¹ All data is taken from the Trinity River Flow Evaluation Final Report (TRFE), page 163, Table 5.7.

² 11,000 cfs is the recommended flow regime for extremely wet years in the TRFE.

³ Mainstem bedload transport is in tons. All material is > 5/16".

⁴ 6,000cfs is the current limit on Lewiston Dam releases to the Trinity River.

⁵ 8,500 cfs is the recommended flow regime for wet years in the TRFE

Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

XX
YES

XX
NO

2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.

COUNTY OF TRINITY
Lead Agency

US FISH AND WILDLIFE SERVICE
BUREAU OF RECLAMATION
HOOPA VALLEY TRIBE

3. If you answered no to # 1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.

The draft "Trinity River Mainstem Fishery Restoration EIS/EIR" was released in October, 1999. The public comment period ended on January, 2000. A final EISEIR and Record of Decision are expected late summer or fall, 2000. The document is programmatic in nature for several projects, including the Trinity River bridges. Once the EIS/EIR process is completed, it is expected that the bridges will undergo a subsequent NEPA/CEQA process such as a FONSI/Negative Declaration, tiered from the final EIS/EIR.

5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

XX
YES

NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

6. Please indicate what permits or other approvals may be required for the activities contained in your proposal. Check all boxes that apply.

LOCAL

Conditional use permit _____
 Variance _____
 Subdivision Map Act approval _____
 Grading permit _____
 General plan amendment _____
 Specific plan approval _____
 Rezone _____
 Williamson Act Contract _____
 cancellation XX

Other FLOODPLAIN DEVELOPMENT PERMIT ISSUED BY TRINITY COUNTY
 (please specify)

None required _____

STATE

CESA Compliance _____ (CDFG)
 Streambed alteration permit XX (CDFG)
 CWA § 401 certification XX (RWQCB)
 Coastal development permit _____ (Coastal Commission/BCDC)
 Reclamation Board approval _____
 Notification _____ (DPC, BCDC)
 Other _____
 @lease specify)
 None required _____

FEDERAL

ESA Consultation XX (USFWS)
 Rivers & Harbors Act permit _____ (ACOE)
 CWA § 404 permit XX (ACOE)
 Other _____
 (please specify)
 None required _____

DPC = Delta Protection Commission
 CWA = Clean Water Act
 CESA = California Endangered Species Act
 USFWS = U.S. Fish and Wildlife Service
 ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act
 CDFG = California Department of Fish and Game
 RWQCB = Regional Water Quality Control Board
 BCDC = Bay Conservation and Development Comm.

Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land (i.e. grading, planting vegetation, or breaching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

XX
YES

NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

NONE (PHYSICAL CHANGE ONLY)

4. If YES to # 1, is the land currently under a Williamson Act contract?

YES

XX
NO,

5. If YES to # 1, answer the following:

Current land use

Current zoning

Current general plan designation

OPEN SPACE

RURAL RESIDENTIAL/FLOOD HAZARD

RURAL RESIDENTIAL/OPEN SPACE

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

YES

XX
NO

DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

ESTIMATED 2

8. If YES to # 1, is the property currently being commercially farmed or grazed?

YES

XX
NO

9. If YES to #8, what are

the number of employees/acre

the total number of employees

10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?

XX
YES

NO

11. What entity/organization will hold the interest? COUNTY OF TRINITY

12. If YES to # 10, answer the following:

Total number of acres to be acquired under proposal

ESTIMATED 5

Number of acres to be acquired in fee

ESTIMATED 5

Number of acres to be subject to conservation easement

13. For all proposals involving physical changes to the land or restriction in land use, describe what entity or organization will:

manage the property

COUNTY OF TRINITY

provide operations and maintenance services

 COUNTY OF TRTNTTY

conduct monitoring

N/A

14. **For** land acquisitions (fee title or easements), will existing wafer rights also be acquired?

YES

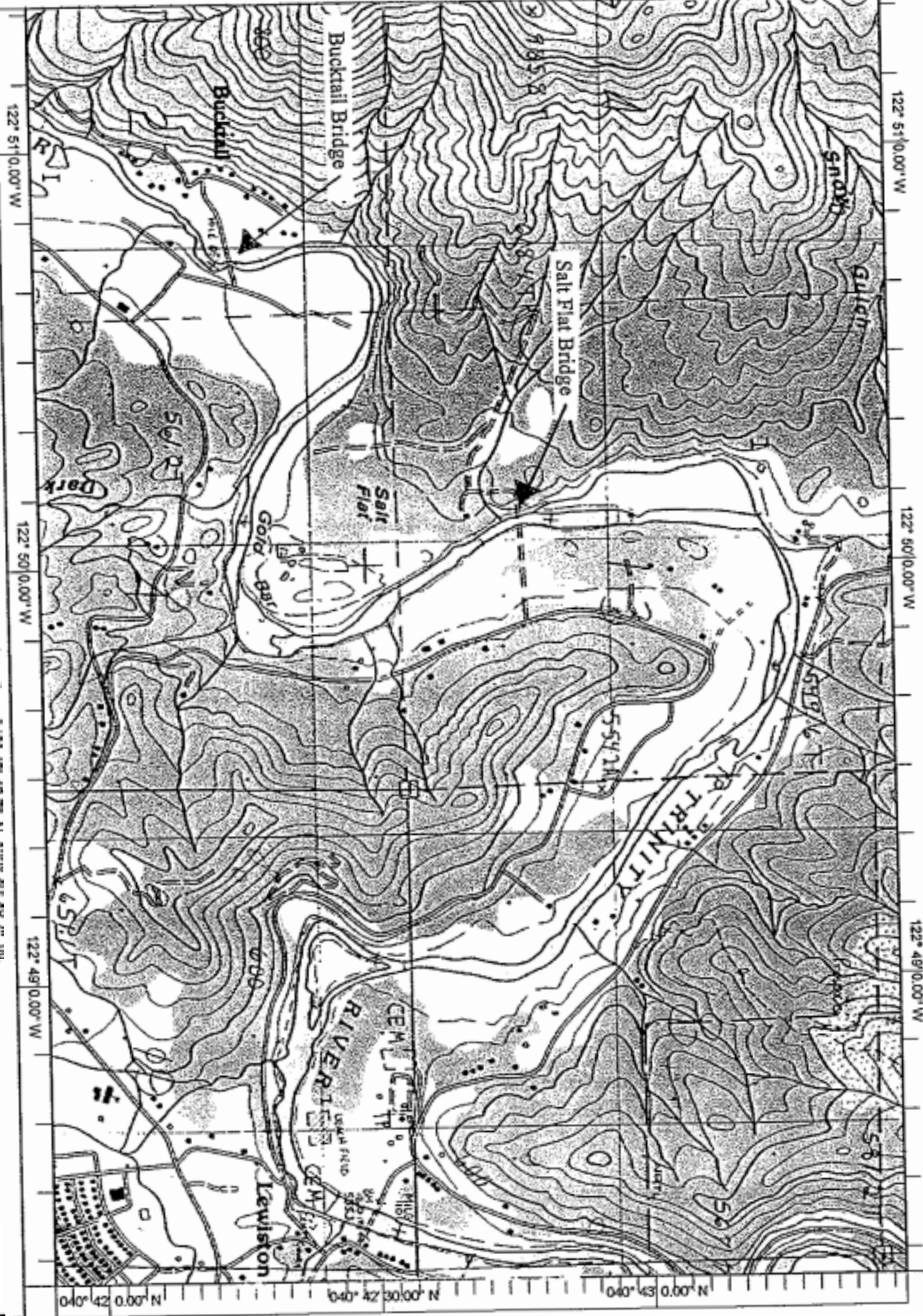
XX
NO

15. Does the applicant propose any modifications to the water right or change in the delivery of the water?

YES

NO

16. if YES to # 15, describe _____

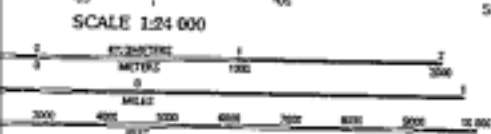


Name: LEWISTON

Date: 5/1/100

Scale: 1 inch equals 1428 feet

Location: 040° 42' 40.7" N 122° 49' 48.1" W



CONTOUR INTERVAL 30 METERS
 RIVER CROSSINGS SHOWN AT 2.5 METERS
 ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
 To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

OURS AND ELEVATIONS IN METERS

CONFORMS WITH NATIONAL MAP ACCURACY STANDARDS
 U.S. SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092



QUADRANGLE LOCATION

1	2	3	1. Gridlock
4	5	6	2. Rush Creek Lakes
7	8	9	3. Treaty Oaks
			4. Junction City
			5. Lodi
			6. Hayfork Summit
			7. Hamiltons Mtn.
			8. Daily Chop Mtn.

ATTACHING 3:1 QUADRANGLE NAMES

ROAD LEGEND

- Improved Road _____
- Unimproved Road _____
- Trail _____
- Interstate Route □ U.S. Route ○ State Route

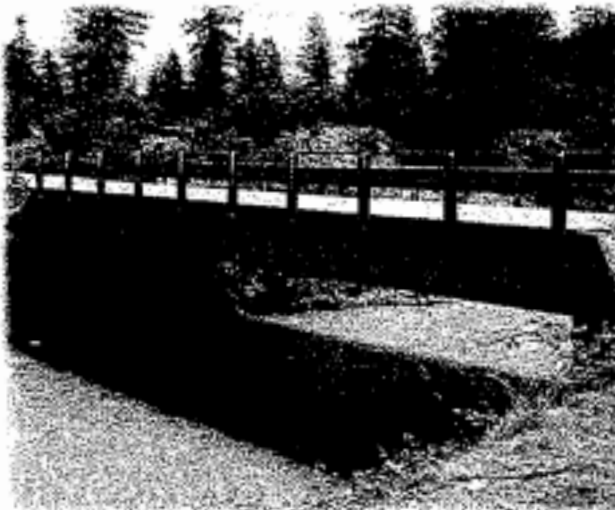
WEAVERVILLE, CALIF.
 PROVISIONAL EDITION 1982

40122-P8-TM-024

STRUCTURE PLANNING STUDY FOR TREADWELL, POKER BAR, SALT FLAT AND BUCKTAIL BRIDGES

FOR:
THE COUNTY OF TRINITY PLANNING DEPARTMENT &
TRINITY RIVER RESTORATION PROGRAM OF
THE UNITED STATES DEPARTMENT OF THE INTERIOR

Bucktail



Salt Flat



Treadwell Property



Poker Bar

PREPARED BY:



omni • means
ENGINEERS-PLANNERS

FEBRUARY, 2000



TRINITY COUNTY

BOARD OF SUPERVISORS

P.O. Drawer 1613 (530) 623-1217
WEAVERVILLE, CALIFORNIA 96093

Dero B. Forslund, Clerk

Jeannie Nix-Temple, County Administrative Officer

May 10, 2000

CALFED Bay-Delta Program Office

Attn: Rebecca Fawver

1416 Ninth Street

Sacramento, CA 95814

Dear Ms. Fawver,

The Trinity County Board of Supervisors has received a copy of the grant proposal submitted by the Trinity County Planning Department, Natural Resources Division, for funding for the replacement of four bridges across the Trinity River.

Sincerely,

TRINITY COUNTY BOARD OF SUPERVISORS

Ralph Modine, Chairman



TRINITY COUNTY

DEPARTMENT OF TRANSPORTATION

303 TRINITY LAKES BLVD.

P.O. DRAWER 2490

WEAVERVILLE, CA 96093-2490

{530} 623-1365

FAX (530)623-5312

April 27, 2000

Tom Stokely, Senior Planner
Trinity County Planning Department
P.O. Box 156
Hayfork, CA. 96041-0156

RE: Replacement of Trinity River Bridge No. 207 (AKA Bucktail Bridge)

Dear Mr. Stokely,

I am familiar with the proposal to replace Bucktail bridge to accommodate increases in river flows.'

Trinity County is the owner of said bridge and the Trinity County Department of Transportation is the agency responsible for operations, maintenance and repair. I hereby declare the Department of Transportation's willing participation in the action to replace said bridge.

If you have any questions, please feel free to contact me at the above number.

Sincerely,

CARL A. BONOMINI
DIRECTOR

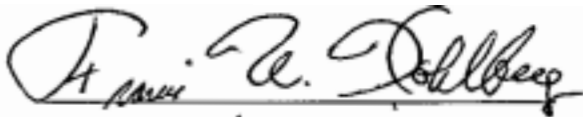
Francis W. Kohlberg, President
Salt Flat Property Owners Association
P. O. Box 638
Lewiston, CA 96052
(530) 778-3234

Arnold Whitridge,
Trinity County Planning Dept. Project Specialist
P. O. Box 128
Douglas City, CA 96024

Dear **Mr.** Whitridge,

The Salt Flat Property Owners Association requests that the Salt Flat bridge be elevated or otherwise modified as necessary to protect against inundation or damage resulting from higher Trinity River **flows** prescribed by the upcoming Secretary **of** the Interior Flow Decision. The Salt Flat Property Owners Association grants the County and **its** subcontractors reasonable access to survey the existing bridge and **its** approaches, and, provided that we are consulted about proposed modifications and that access to our parcels is not unreasonably obstructed during construction, to implement necessary modifications. Please keep us informed of any developments.

Sincerely,


Dated: 11/16/97

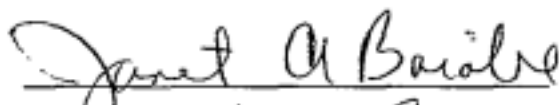
Janet Barabe, President
Poker Bar Homeowners Association
P. O. Box 237
Douglas City, CA 96024

Arnold Whitridge,
Trinity County Planning Dept. Project Specialist
P. O. Box 128
Douglas City, CA 96024

Dear Mr. Whitridge,

The Poker Bar Homeowners Association requests that the Poker Bar bridge and road system be elevated or otherwise modified as necessary to protect against inundation or damage resulting from higher Trinity River flows prescribed by the upcoming Secretary of the Interior Flow Decision. The Poker Bar Homeowners Association grants the County and its subcontractors reasonable access to survey the existing bridge and road system, and, provided that we are consulted about proposed modifications and that access to our parcels is not unreasonably obstructed during construction, to implement necessary modifications. Please keep us informed of any developments.

Sincerely,


Dated: 11/21/97

Richard and Patricia Treadwell
P. O. Box 339
Douglas City, CA 96024

Arnold Whitridge,
Trinity County Planning Dept. Project Specialist
P. O. Box 128
Douglas City, CA 96024

Mr. Whitridge:

I do not favor higher flows in the Trinity River. However, if the upcoming Flow Decision prescribes higher flows, I expect ~~my~~^{the} bridge to be elevated to protect it from inundation or damage. I grant the County and its subcontractors reasonable access to my parcels 24-32-13 and 24-32-09 to survey the existing bridge and (provided that proposed improvements are acceptable to me and that access to my parcels is not unreasonably obstructed during construction) to implement necessary modifications. Please keep me informed of any developments.

Sincerely,



Dated: 11-25-97

Agreement No._____

Exhibit _____

NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID FOR PUBLIC WORKS

STATE OF CALIFORNIA)
)ss
COUNTY OF TRINITY)

_____, being first duly sworn, deposes and

says that he or she is Planning Director of
(position title)

Trinity County Planning Department
(the bidder)

the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation: that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

DATED: 5-18-00

By John Alan Johnson
(person signing for bidder)

Subscribed and sworn to before me on

MAY 10, 2006

Patricia A. Hyman
(Notary Public)



(Notarial Seal)

NONDISCRIMINATION COMPLIANCE STATEMENT

STD, 19 (REV. 3-95) FMC

COMPANY NAME

Trinity County Planning Department

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California

OFFICIAL'S NAME

John Alan Jellicich

DATE EXECUTED

5-10-00

EXECUTED IN THE COUNTY OF

Trinity

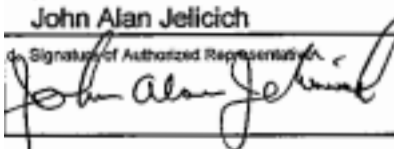
PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

Planning Director

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Trinity County Planning Department

APPLICATION FOR FEDERAL ASSISTANCE TYPE OF SUBMISSION <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Application <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Non-Construction </div> <div style="width: 45%;"> Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction </div> </div>		2. DATE SUBMITTED 09-May-00		Applicant Identifier N/A	
		3. DATE RECEIVED BY STATE		State Application Identifier N/A	
		4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier	
		5. APPLICANT INFORMATION			
Legal Name: Trinity County Planning Department			Organizational Unit: Natural Resources Division		
Address (give city, county, state and zip code): P.O. Box 2819 Weaverville, CA 96093			Name and telephone number of the person to be contacted on matters involving misapplication (give area code): Tom Stokely (530) 628-5949		
EMPLOYER IDENTIFICATION NUMBER (EIN): 94-6000544			7. TYPE OF APPLICANT (enter appropriate letter in box) B <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> A. STATE B. COUNTY C. MUNICIPAL D. TOWNSHIP E. INTERSTATE F. INTERMUNICIPAL G. SPECIAL DISTRICT </div> <div style="width: 50%;"> H. INDEPENDENT SCHOOL DIST. <small>1. STATE CONTROLLED INSTITUTION OF HIGHER LEARNING</small> J. PRIVATE UNIVERSITY K. INDIAN TRIBE L. INDIVIDUAL M. PROFIT ORGANIZATION N. OTHER (SPECIFY): </div> </div>		
TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision enter appropriate letter _____ A. Increase Award B. Decrease Award C. Increase Duration Other (Specify) D. Decrease Duration			9. NAME OF FEDERAL AGENCY Dept. of Interior/Bureau of Reclamation		
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: XX-XXX TITLE: _____			11. DESCRIPTIVE TITLE OF APPLICANTS PROJECT Trinity River Fishery Restoration and Protection of Delta Water Supply through Replacement of Four Trinity River Bridges		
12. AREAS AFFECTED BY PROJECT: Trinity County, California					
13. PROPOSED PROJECT:		14. CONGRESSIONAL DISTRICTS OF:			
Start Date	Ending Date	a. Applicant	b. Project		
		2	2		
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?			
a. Federal	\$ 6,331,529.00	a. YES. THIS PREAPPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE: _____			
b. Applicant	0	b. NO. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY EO. 12372			
c. State	0	OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW			
d. Local	0	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? NO			
e. Other	0				
f. Program Income	0				
g. TOTAL	\$ 6,331,529.00				
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. <input checked="" type="checkbox"/>					
THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED					
a. Typed Name of Authorized Representative John Alan Jelichich		b. Title Planning Director		c. Telephone number (530) 623-1351	
d. Signature of Authorized Representative 				e. Date Signed 5-10-00	

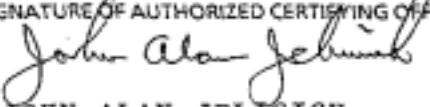
SECTION C - NON-FEDERAL RESOURCES							
(a) Grant Program	(b) Applicant		(c) State		(d) Other Sources		(e) TOTALS
8							
9							
10							
11							
12. TOTALS (sum of lines 8 and 11)							
SECTION D - FORCASTED CASH NEEDS							
	Total for 1st Year	1st Quarter		2nd Quarter		3rd Quarter	4th Quarter
13. Federal	\$ 429,399.00	\$ 107,350.00		\$ 107,350.00		\$ 107,350.00	\$ 107,349.00
14. NonFederal							
15. TOTAL (Sum of lines 13 and 14)	\$ 429,399.00	\$ 107,350.00		\$ 107,350.00		\$ 107,350.00	\$ 107,349.00
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT							
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)						
	(b) First		(c) Second		(d) third		(e) Fourth
16	\$ 429,399.00		\$ 2,091,094.00		\$ 3,811,036.00		
17							
18							
19							
20. TOTALS (Sum of lines 16-19)	\$ 429,399.00		\$ 2,091,094.00		\$ 3,811,036.00		
SECTION F - OTHER BUDGET INFORMATION (Attach Additional Sheets if Necessary)							
21. Direct Charges: \$ 6,141,184.00			22. Indirect Charges: \$ 190,345.00				
23. Remarks							

BUDET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Column a-b)
1. Administration and legal expenses	\$ 26,490.00		\$ 26,490.00
2. Land, structures, rights-of-way, appraisals, etc.			
3. Relocation expenses and payments			
4. Architectural and engineering fees	\$ 13,394.00		\$ 13,394.00
5. Other architectural and engineering fees			
6. Project Inspection fees			
7. Sitework			
8. Demolition and removal			
9. Construction- CONTRACTS	\$ 6,101,300.00		\$ 6,101,300.00
10. Equipment			
11. Miscellaneous- INDIRECT COSTS	\$ 190,345.00		\$ 190,345.00
12. SUBTOTAL (sum of lines 1-11)	\$ 6,331,529.00		\$ 6,331,529.00
13. Contingencies			
14. SUBTOTAL	\$ 6,331,529.00		\$ 6,331,529.00
15. Project (program) income			
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 6,331,529.00		\$ 6,331,529.00
<div> <div></div> <div>FEDERAL FUNDING</div> </div>			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share) Enter the resulting Federal share.	Enter eligible costs from line 16c Multiply x <u>100</u> %		<div>\$ 6,331,529.00</div>

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provides for fair and equitable treatment of persons ~~displaced~~ or whose property is acquired as a result of Federal and federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§ 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§ 276a to 276a-7), the Copeland Act (40 U.S.C. § 276c and 18 U.S.C. § 874), the Contract Work Hours and Safety Standards Act (40 U.S. §§ 327-333) regarding labor standards for federally assisted construction subagreements.
14. Will comply with the flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§ 1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 175(c) of the Clean Air Act of 1955, as amended (42 U.S.C. § 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§ 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and preservation of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984.
19. Will comply with all applicable requirements of all other Federal laws, Executive Orders, regulations and policies governing this program

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL  JOHN ALAN JELOVICH	TITLE PLANNING DIRECTOR
APPLICANT ORGANIZATION TRINITY COUNTY PLANNING DEPARTMENT	DATE SUBMITTED 1-18-88